


Seal apparatus and method for forming.

Patent Number: EP0579448, B1
Publication date: 1994-01-19
Inventor(s): SOGGE DALE R (US); WERNER KARL H (US)
Applicant(s): TEXAS INSTRUMENTS INC (US)
Requested Patent: DE69306678T ←
Application Number: EP19930305339 19930707
Priority Number(s): US19920913510 19920714
IPC Classification: F16J15/02; H01H35/34
EC Classification: F16J15/10C2, H01H35/34
Equivalents: DE69306678D, JP3415882B2, JP6058419, US5280926
Cited Documents: EP0434329; FR2681396; EP0458494; EP0403674; GB1243856

Abstract

A normally open pressure responsive electrical switch (10) is shown having upper and lower body members (12,14) with a combination terminal and disc seat member sandwiched therebetween. An electrically conductive snap acting disc (24) is disposed on the disc seat and is adapted to snap through a centrally disposed aperture in the terminal into electrical engagement with an electrical contact (46) disposed on a terminal (38) mounted in the lower body member (14). The upper body member (12) has a bore (26) extending therethrough which slidably mounts a pressure converter (28) adapted to convert pressure from a pressure source to a force and apply the force to the disc. A flexible membrane (50) is disposed over the bore with an O-ring (54) received on an O-ring seat adjacent the bore in the upper body member. A wall (52) extending around the seal seat is deformed to capture the O-ring at its seat. 

Data supplied from the esp@cenet database - I2